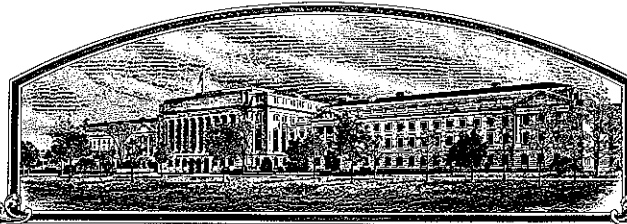


No.

9700263



THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

*Hybri Tech Seed International, a unit of
Monsanto Co.*

Whereas, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED, PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSES, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. IN THE UNITED STATES SEED OF THIS VARIETY (1) SHALL BE IDENTIFIED BY THE VARIETY NAME ONLY AS A CLASS OF CERTIFIED SEED AND (2) SHALL CONFORM TO THE NUMBER OF GRAMS SPECIFIED BY THE OWNER OF THE RIGHTS. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

WHEAT, COMMON

'Bradley'

*In Testimony Whereof, I have hereunto set
my hand and caused the seal of the Plant
Variety Protection Office to be affixed at the
City of Washington, D.C. this thirtieth day
of July in the year of our Lord one thousand
nine hundred and ninety-nine.*

Attest:

Ann Marie Smith

Commissioner
Plant Variety Protection Office
U.S. Department of Agriculture

Samuel H. Hildner
Secretary of Agriculture



U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE DIVISION - PLANT VARIETY PROTECTION OFFICE

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE
(Instructions and information collection burden statement on reverse)

The following statements are made in accordance with the privacy Act of 1974 (5 U.S.C. 552a)

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421) Information is held confidential until certificate is issued (7 U.S.C. 2426).

1. NAME OF APPLICANT(S) (as it is to appear on the Certificate)		2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER		3. VARIETY NAME	
HybriTech Seed International, a unit of Monsanto Co.		92M-3122		BRADLEY	
4. ADDRESS (Street and No. or R.F.D. No., City, State, and Zip Code)		5. TELEPHONE (include area code)		PVPO NUMBER	
5912 N. Meridian Street Wichita, Kansas 67204-1699		316-755-1250		9700263	
		6. FAX (include area code)		DATE	
		316-755-0072		APR. 8, 1997	
7. GENUS AND SPECIES NAME		8. FAMILY NAME (Botanical)		FILING AND EXAMINATION FEE	
Triticum aestivum		Gramineae		2450.00	
9. CROP KIND NAME (common name)				DATE	
SOFT RED WINTER WHEAT				4-4-97	
10. IF THE APPLICANT NAMED IS NOT A "PERSON", GIVE FORM OF ORGANIZATION (corporation, partnership, association, etc.) (common name)				CERTIFICATION FEE	
Corporation				\$300.00	
11. IF INCORPORATED, GIVE STATE OF INCORPORATION		12. DATE OF INCORPORATION		DATE	
Delaware		1933		6/15/1999	
13. NAME AND ADDRESS OF APPLICANT REPRESENTATIVE(S), IF ANY, TO SERVE IN THIS APPLICATION AND RECEIVE ALL PAPERS		14. TELEPHONE (include area code)		15. FAX (include area code)	
Dr. Gordon Cisar 806 N. Second Street PO Box 1320 Berthoud, Colorado 80513		Mr. Robert Bruns 806 N. Second Street PO Box 30 Berthoud, Colorado 80513 970-532-3721		970-532-9840 970-532-2035	
16. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED (follow instructions on reverse)					
a. <input checked="" type="checkbox"/> Exhibit A. Origin and Breeding History of the Variety					
b. <input checked="" type="checkbox"/> Exhibit B. Statement of Distinctness					
c. <input checked="" type="checkbox"/> Exhibit C. Objective Description of the Variety					
d. <input checked="" type="checkbox"/> Exhibit D. Additional Description of the Variety					
e. <input checked="" type="checkbox"/> Exhibit E. Statement of the Basis of the Applicant's Ownership					
f. <input checked="" type="checkbox"/> Voucher Sample (2,500 viable untreated seeds, or, for tuber propagated varieties verification that tissue culture will be deposited and maintained in a public repository)					
g. <input checked="" type="checkbox"/> Filing and Examination Fee (\$2,450), made payable to "Treasurer of the United States" (Mail to PVPO)					
17. DOES THE APPLICANT SPECIFY THAT SEED OF THIS VARIETY BE SOLD BY VARIETY NAME ONLY, AS A CLASS OF CERTIFIED SEED? (See Section 83(a) of the Plant Variety Protection Act)					
<input checked="" type="checkbox"/> YES (if "yes", answer items 18 and 19 below) <input type="checkbox"/> NO (if "no", go to item 20)					
18. DOES THE APPLICANT SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS?					
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO					
19. IF "YES" TO ITEM 18, WHICH CLASSES OF PRODUCTION BEYOND BREEDERS SEED?					
<input checked="" type="checkbox"/> FOUNDATION <input checked="" type="checkbox"/> REGISTERED <input checked="" type="checkbox"/> CERTIFIED					
20. HAS THE VARIETY OR A HYBRID PRODUCED FROM THE VARIETY BEEN RELEASED, USED, OFFERED FOR SALE, OR MARKETED IN THE U.S. OR OTHER COUNTRIES?					
<input type="checkbox"/> YES (if "YES", give names of countries and dates) <input checked="" type="checkbox"/> NO					

21. The applicant(s) declare that a viable sample of basic seed of the variety will be furnished with the application and will be replenished upon request in accordance with such regulations as may be applicable, or for a tuber propagated variety a tissue culture will be deposited in a public repository and maintained for the duration of the certificate.

The undersigned applicant(s) is(are) the owner(s) of this sexually reproduced or tuber plant variety, and believe(s) that the variety is new, distinct, uniform, and stable as required in Section 41, and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act.

Applicant(s) is(are) informed that false representation herein can jeopardize protection and result in penalties.

SIGNATURE OF APPLICANT (Owner(s))		SIGNATURE OF APPLICANT (Owner(s))	
<i>Gordon Cisar</i>			
NAME (Please print or type)		NAME (Please print or type)	
Dr. Gordon Cisar			
CAPACITY OR TITLE	DATE	CAPACITY OR TITLE	DATE
Senior Project Leader, HRW Research	3/31/97		

970026#3
AAA
06 Jan 1999

Exhibit A.
Origin and Breeding History of Bradley

The cross between E4028(Cimmyt experimental breeding line)/C81-125 (MN74143/Oligoculm /4/Era/Tobari//Lovrin 11/3/Oligoculm) //Twain and Hawk/RPBexp (Rothwell Plant Breeders proprietary experimental line)///Benni was made in the Brookston, Indiana spring greenhouse in 1986. The female was a F1 population of a spring wheat and Twain. The male was a selection from a breeding population crossed in 1982 between a hard wheat and Benni. The F1 (1987), F2 (1988), and F3 (1989) were grown in the field at Brookston. Selections were made in the F3 and grown for two generations in the 1990 greenhouse using Single Seed Descent. Individual F6 Pre Y1 rows (head rows) were planted in the field at Brookston in 1991. The selection that became Bradley was selected for yield potential, test weight, maturity, and disease resistance. Bradley has been in advanced testing from 1992 to the present time. It was in the Uniform Eastern Nursery as 92M-3122 in 1995 and 1996.

In 1994, 100 head-rows were planted in Brookston, Indiana. The rows with uniform appearance were harvested and planted in 1995 as an initial Breeder's Seed increase. In 1996, a four acre increase was planted in Berthoud, Colorado which produced 17,000 pounds of Foundation seed.

Bradley has been uniform and stable since 1995. Less than 0.8% of the plants were rogued from the initial Breeders Seed increase in 1995. Approximately 65% of the rogued variant plants were taller height wheat plants (6 to 15 cm's), 22% were a blue-green plant color at boot stage and 2% were awned wheat plants. Up to 1% variant plants may be encountered in subsequent generations.

Exhibit B.
Statement of Distinctness

Bradley most closely resembles the soft red winter wheat 'Twain'. However, it can be easily distinguished by the following morphological characteristics:

- 1.) Bradley has a short glume length (Berthoud, Colorado 1995, and 1996). Twain has a medium glume length (Berthoud, Colorado 1995, and 1996). Please see statistical data following pages.
- 2.) Bradley has a narrow glume width (Berthoud, Colorado 1995 and 1996). Twain has a midwide glume (Berthoud, Colorado 1995 and 1996). Please see statistical data following pages.
- 3.) Bradley has long brush hairs on the seed (Berthoud, Colorado 1995 and 1996). Twain has medium length brush hairs on its seed (Berthoud, Colorado 1995 and 1996).

Agripro Seeds Inc. Statistical Summary

10/24/96

t-Test: Two-Sample Assuming Equal Variances (1)		
Glume Length		For year: 1995
	92m-3122	Twain
Mean	7.072	8.024
Variance	0.122933333	0.098566667
Observations	25	25
Pooled Variance	0.11075	
Hypothesized Mean Difference	0	
df	48	
t Stat	-10.11393335	
P(T<=t) one-tail	8.72851E-14	
t Critical one-tail	1.677224191	
P(T<=t) two-tail	1.7457E-13	
t Critical two-tail	2.01063358	

(1) Steel, R.G.D., and J.H. Torrie. 1960. Comparisons Involving Two Sample Means. p. 86-121. In Principles and Procedures of statistics. McGraw-Hill Book Co. Inc., New York.

Agripro Seeds Inc.
Statistical Summary
10/24/96

Raw Data Summary**Glume Length****1995**

number of observations:	Raw data:	
	92m-3122	Twain
1	6.2	7.5
2	6.2	7.5
3	6.7	7.7
4	6.8	7.8
5	6.9	7.8
6	6.9	7.8
7	6.9	7.8
8	6.9	7.8
9	6.9	8.0
10	7.0	8.0
11	7.0	8.0
12	7.1	8.0
13	7.1	8.0
14	7.2	8.0
15	7.2	8.0
16	7.2	8.0
17	7.3	8.0
18	7.3	8.1
19	7.4	8.2
20	7.4	8.2
21	7.4	8.3
22	7.4	8.3
23	7.4	8.4
24	7.5	8.4
25	7.5	9.0

Agripro Seeds Inc. Statistical Summary

10/24/96

t-Test: Two-Sample Assuming Equal Variances (1)		
Glume Width		For year: 1995
	92M-3122	Twain
Mean	3.232	3.936
Variance	0.0381	0.033233333
Observations	25	25
Pooled Variance	0.035666667	
Hypothesized Mean Difference	0	
df	48	
t Stat	-13.17942321	
P(T<=t) one-tail	7.24748E-18	
t Critical one-tail	1.677224191	
P(T<=t) two-tail	1.4495E-17	
t Critical two-tail	2.01063358	

(1) Steel, R.G.D., and J.H. Torrie. 1960. Comparisons Involving Two Sample Means. p. 86-121. In Principles and Procedures of statistics. McGraw-Hill Book Co. Inc., New York.

Agripro Seeds Inc.
Statistical Summary

10/24/96

Raw Data Summary**Glume Width****1995**

number of observations:	Raw data:	
	92M-3122	Twain
1	2.8	3.6
2	3.0	3.6
3	3.0	3.6
4	3.1	3.8
5	3.1	3.8
6	3.1	3.8
7	3.1	3.8
8	3.1	3.9
9	3.1	3.9
10	3.1	3.9
11	3.1	3.9
12	3.2	3.9
13	3.2	4.0
14	3.3	4.0
15	3.3	4.0
16	3.3	4.0
17	3.3	4.0
18	3.3	4.0
19	3.3	4.0
20	3.4	4.0
21	3.5	4.0
22	3.5	4.2
23	3.5	4.2
24	3.5	4.2
25	3.6	4.3

Agripro Seeds Inc.

Statistical Summary

10/24/96

t-Test: Two-Sample Assuming Equal Variances (1)		
Glume Width	For year: 1996	
	92M-3122	Twain
Mean	3.072	3.928
Variance	0.0596	0.032933333
Observations	25	25
Pooled Variance	0.046266667	
Hypothesized Mean Difference	0	
df	48	
t Stat	-14.0700184	
P(T<=t) one-tail	5.91426E-19	
t Critical one-tail	1.677224191	
P(T<=t) two-tail	1.18285E-18	
t Critical two-tail	2.01063358	

(1) Steel, R.G.D., and J.H. Torrie. 1960. Comparisons Involving Two Sample Means. p. 86-121. In Principles and Procedures of statistics. McGraw-Hill Book Co. Inc., New York.

Agripro Seeds Inc.
Statistical Summary
10/24/96

Raw Data Summary**Glume Width****1996**

number of observations:	Raw data:	
	92M-3122	Twain
1	2.6	3.5
2	2.6	3.7
3	2.6	3.7
4	2.8	3.7
5	2.8	3.8
6	2.9	3.8
7	2.9	3.9
8	3.0	3.9
9	3.0	3.9
10	3.0	3.9
11	3.1	3.9
12	3.1	3.9
13	3.1	4.0
14	3.2	4.0
15	3.2	4.0
16	3.2	4.0
17	3.2	4.0
18	3.3	4.0
19	3.3	4.0
20	3.3	4.0
21	3.3	4.0
22	3.3	4.0
23	3.3	4.0
24	3.3	4.1
25	3.4	4.5

Agripro Seeds Inc.

Statistical Summary

10/24/96

t-Test: Two-Sample Assuming Equal Variances (1)		
Glume Length (mm)	For year: 1996	
	92M-3122	Twain
Mean	7.036	8.564
Variance	0.085733333	0.148233333
Observations	25	25
Pooled Variance	0.116983333	
Hypothesized Mean Difference	0	
df	48	
t Stat	-15.79488124	
P(T<=t) one-tail	6.0457E-21	
t Critical one-tail	1.677224191	
P(T<=t) two-tail	1.20914E-20	
t Critical two-tail	2.01063358	

(1) Steel, R.G.D., and J.H. Torrie. 1960. Comparisons Involving Two Sample Means. p. 86-121. In Principles and Procedures of statistics. McGraw-Hill Book Co. Inc., New York.

Agripro Seeds Inc.
Statistical Summary
10/24/96

Raw Data Summary Glume Length (mm) 1996

number of observations:	Raw data: 92M-3122	Twain
1	6.0	7.6
2	6.8	8.0
3	6.8	8.0
4	6.9	8.1
5	6.9	8.2
6	6.9	8.3
7	6.9	8.4
8	6.9	8.4
9	7.0	8.5
10	7.0	8.5
11	7.0	8.5
12	7.0	8.6
13	7.0	8.6
14	7.0	8.7
15	7.0	8.7
16	7.1	8.7
17	7.1	8.7
18	7.1	8.7
19	7.2	8.8
20	7.3	8.8
21	7.4	8.9
22	7.4	9.0
23	7.4	9.0
24	7.4	9.2
25	7.4	9.2

OBJECTIVE DESCRIPTION OF VARIETY
WHEAT (*Triticum* Spp.)

INSTRUCTIONS: See Reverse.

NAME OF APPLICANT(S) HybriTech Seed International, a unit of Monsanto Company	FOR OFFICIAL USE ONLY
ADDRESS (Street and No. or R.F.D. No., City, State, and Zip Code) 5912 N. Meridian Street Wichita, Kansas 67204-1699	PVPO NUMBER 700263 VARIETY NAME OR TEMPORARY DESIGNATION

Place the appropriate number that describes the varietal character of this variety in the boxes below.
Place a zero in the first box (e.g. or) when number is either 99 or less or 9 or less.

1. KIND:

1 = COMMON 2 = DURUM 3 = CLUB 4 = OTHER (SPECIFY) _____

2. VERNALIZATION:

1 = SPRING 2 = WINTER 3 = OTHER (SPECIFY) _____

3. COLEOPTILE ANTHOCYANIN:

1 = ABSENT 2 = PRESENT

4. JUVENILE PLANT GROWTH:

1 = PROSTRATE 2 = SEMI-ERECT 3 = ERECT

5. PLANT COLOR (boot stage):

1 = YELLOW-GREEN 2 = GREEN 3 = BLUE-GREEN

6. FLAG LEAF (boot stage):

1 = ERECT 2 = RECURVED

1 = NOT TWISTED 2 = TWISTED

7. EAR EMERGENCE:

**Equal to Cardinal (SRWW)
NUMBER OF DAYS EARLIER THAN _____*

NUMBER OF DAYS LATER THAN _____*

8. ANTHER COLOR:

1 = YELLOW 2 = PURPLE

9. PLANT HEIGHT (from soil to top of head, excluding awns)

**Equal in height to Cardinal (SRWW)
cm. TALLER THAN _____*

cm. SHORTER THAN _____*

* Relative to a PVP-approved commercial variety grown in the same trial

10. STEM:

A. ANTHOCYANIN

☐ 1

1 = ABSENT 2 = PRESENT

B. WAXY BLOOM

☐ 2

1 = ABSENT 2 = PRESENT

C. HAIRINESS (last internode of rachis)

☐ 2

1 = ABSENT 2 = PRESENT

D. INTERNODE (specify number) _____

☐ 1

1 = HOLLOW 2 = SEMI-SOLID 3 = SOLID

E. PEDUNCLE

☐ 1

1 = ERECT 2 = RECURVED

☐ 3☐ 2

cm. PEDUNCLE LENGTH

11. HEAD (at Maturity):

A. DENSITY

☐ 2

1 = LAX 2 = MIDDENSE 3 = DENSE

B. SHAPE

☐ 2

1 = TAPERING 2 = STRAP 3 = CLAVATE 4 = OTHER (specify) _____

C. CURVATURE

☐ 2

1 = ERECT 2 = INCLINED 3 = RECURVED

D. AWNEDNESS

☐ 2

1 = AWNLESS 2 = APICALLY AWNLETTERED 3 = AWNLETTERED 4 = AWNED

12. GLUMES (at Maturity):

A. COLOR

☐ 1

1 = WHITE 2 = TAN 3 = OTHER (specify) _____

B. SHOULDER

☐ 4

1 = WANTING 2 = OBLIQUE 3 = ROUNDED 4 = SQUARE 5 = ELEVATED 6 = APICULATE

C. BEAK

☐ 1

1 = OBTUSE 2 = ACUTE 3 = ACUMINATE

D. LENGTH

☐ 1

1 = SHORT (ca. 7mm) 2 = MEDIUM (ca. 8mm) 3 = LONG (ca. 9mm)

E. WIDTH

☐ 1

1 = NARROW (ca. 3mm) 2 = MEDIUM (ca. 3.5mm) 3 = WIDE (ca. 4mm)

13. SEED:

A. SHAPE

☐ 1

1 = OVATE 2 = OVAL 3 = ELLIPTICAL

B. CHEEK

☐ 1

1 = ROUNDED 2 = ANGULAR

C. BRUSH

☐ 3

1 = SHORT 2 = MEDIUM 3 = LONG

☐ 1

1 = NOT COLLARED 2 = COLLARED

D. CREASE

☐ 1

1 = WIDTH 60% OR LESS OF KERNEL
2 = WIDTH 80% OR LESS OF KERNEL
3 = WIDTH NEARLY AS WIDE AS KERNEL

☐ 1

1 = DEPTH 20% OR LESS OF KERNEL
2 = DEPTH 35% OR LESS OF KERNEL
3 = DEPTH 50% OR LESS OF KERNEL

E. COLOR

☐ 3

1 = WHITE 2 = AMBER 3 = RED 4 = OTHER (specify) _____

F. TEXTURE

☐ 2

1 = HARD 2 = SOFT

G. PHENOL REACTION (see instructions)

☐ --

1 = IVORY 2 = FAWN 3 = LIGHT BROWN
4 = DARK BROWN 5 = BLACK

14. DISEASE: (0 = NOT TESTED; 1 = SUSCEPTIBLE; 2 = RESISTANT) 3 = moderately susceptible 4 = moderately resistant

☐ 4

STEM RUST Field races
(Res. genes) _____

☐ 0

STRIPE RUST
(Res. genes) _____

☐ 4

MILDEW Field races
(Res. genes) _____

☐ 4

Septoria nodorum Field races
(Res. genes) _____

☐ 0

BYDV
(Res. genes) _____

☐ 4

SBMV Field
(Res. genes) _____

☐ 0

OTHER _____

☐ 4

LEAF RUST Field races
(Res. genes) _____

☐ 0

LOOSE SMUT
(Res. genes) _____

☐ 0

BUNT
(Res. genes) _____

☐ 4

Septoria tritici Field races
(Res. genes) _____

☐ 0

WSMV
(Res. genes) _____

☐ 4

SSMV Field
(Res. genes) _____

15. INSECT: (0 = NOT TESTED; 1 = SUSCEPTIBLE; 2 = RESISTANT)

2

HESSIAN FLY (Res. genes) H6 gene

0

STEM SAWFLY (Res. genes)

0

CEREAL LEAF BEETLE (Res. genes)

0

APHIDS (Res. genes)

0

GREENBUG (Res. genes)

0

RUSSIAN APHID (Res. genes)

0

OTHER (specify)

Exhibit D.
Additional Description of Bradley

Bradley is a soft red winter wheat bred and developed by Agripro Seeds, Inc. it is a high yielding medium height variety with medium-late maturity. Milling and baking properties are good and test weight is excellent.

Juvenile growth habit is erect. Plant color at boot stage is green. Anther color is yellow. The flag leaf at boot stage is erect and twisted. Auricle anthocyanin and auricle hairs are present. Waxy bloom is present on the stem, flag leaf sheath and head. The head is strap, middense and apically awnletted. The glume at maturity is short in length and narrow in width. Shoulder shape on the glume is square with an obtuse beak. Seed shape is ovate. Brush length is long. Seed crease width is narrow and depth is shallow.

Bradley is generally well adapted to the northern soft red winter wheat growing area, including the states of Indiana, Illinois, Ohio, and surrounding states.

ACRIPRO WHEAT
SOFT RED WINTER WHEAT

9700263
page 1.

YEAR	LAB NO.	VARIETY OR LINE	MILLING				BAKING				SCORES	
			BRK FIR	TOT FIR	WH PROT	FL PROT	C. DIAM	T.G	NORRIS	MILL	BAKE	
			% R	% R	%	% R	mm	R	HARD			
95	7513	92M-3122	34.9	66.8	10.1	8.9	17.2	4	5	17	12-D	10-C
95	7131	92M-3122	34.4	64.1	12.5	11.4	16.4	9	4	14	13-F	14-F
95	7033	92M-3122	38.3	65.4	10.0	8.1	17.0	9	3	07	13-F	15-F
95	7220	92M-3122	31.7	65.4	11.8	9.7	17.0	9	5	26	16-F	16-F
94	7292	92M-3122	41.1	69.1	9.1	7.8	17.8	4	4	09	11-C	9-B
94	7199	92M-3122	40.6	71.6	9.4	7.9	17.7	4	4	12	9-B	9-B
94	7123	92M-3122	36.4	67.6	11.9	10.4	17.6	7	7	15	12-C	15-F
94	7036	92M-3122	36.3	68.6	11.7	10.2	17.5	5	8	22	12-C	15-F
93	7789	92M-3122	38.0	68.9	9.3	7.8	17.5	3	4	12	9-B	8-B
93	7719	92M-3122	32.8	65.3	10.9	9.4	17.2	4	4	12	13-D	9-B
92	7469	92M-3122	35.1	69.7	9.3	8.6	17.5	1	3	19	10-C	5-A
		AVERAGE	36.3	67.5	10.5	9.1	17.3	5	5	15	12-C	11-C
95	7492	CALDWELL	43.6	68.5	9.3	7.8	17.7	1	3	23	6-A	7-B
95	7199	CALDWELL	42.0	68.4	9.8	8.0	18.0	1	4	29	6-A	8-B
94	7254	CALDWELL	47.4	71.2	8.7	7.2	18.4	1	2	11	6-A	6-A
94	7194	CALDWELL	47.4	72.1	8.4	6.9	18.3	1	4	10	6-A	8-B
94	7085	CALDWELL	42.5	70.0	10.2	8.7	18.5	1	4	17	6-A	8-B
94	7031	CALDWELL	43.5	70.8	10.2	8.7	18.7	3	4	17	6-A	10-B
93	7788	CALDWELL	44.7	70.4	8.6	6.9	17.7	1	3	17	5-A	9-B
93	7718	CALDWELL	40.4	68.2	10.8	8.7	17.8	1	3	21	5-A	7-B
92	7459	CALDWELL	41.2	71.9	8.8	7.6	17.7	1	3	31	5-A	7-B
		AVERAGE	43.6	70.2	9.4	7.8	18.1	1	3	20	6-A	7-B

RATINGS: 1-2=EXCELLENT 3-4=VERY GOOD 5=ACCEPTABLE 6-7=QUESTIONABLE 8-9=UNACCEPTABLE

Support Data

Area of Adaption of 92M-3122				
State	County	Year	92M-3122	Trial Mean
IL	CARMI	93	76	57
IL	CHAMPAIGN	96	62	55
IL	CHAMPAIGN	95	79	79
IL	CHRISTIAN	95	55	45
IL	DARKE	95	78	70
IL	EDWARDS	93	74	57
IL	FAYETTE	95	64	54
IL	JERSEY	95	75	64
IL	MADISON	93	47	36
IL	MADISON	94	76	69
IL	MADISON	95	47	70
IL	WHITE	94	71	70
IL	WHITE	95	57	55
IL	WHITE	96	55	56
IN	ALLEN	93	57	42
IN	ALLEN	94	78	72
IN	ALLEN	95	78	72
IN	ALLEN	95	81	75
IN	ALLEN	96	51	53
IN	GIBSON	96	67	65
IN	SULLIVAN	93	72	58
IN	SULLIVAN	94	62	56
IN	SULLIVAN	95	43	54
IN	TIPPECANOE	96	44	34
IN	TIPPECANOE	96	48	36
IN	WHITE	93	73	68
IN	WHITE	94	65	63
IN	WHITE	94	68	64
IN	WHITE	95	61	65
IN	WHITE	95	71	67
KY	FAYETTE	95	61	63
KY	LIMESTON	95	28	29
MO	BOONE	95	60	52
OH	ALLEN	93	70	58
OH	DARKE	93	82	53
OH	DARKE	94	72	71
OH	HANCOCK	93	77	68
OH	HANCOCK	94	68	65
OH	HANCOCK	95	52	55
OH	HANCOCK	96	49	42
OH	MARION	93	90	71
OH	MARION	94	47	44
OH	MARION	95	64	55
OH	SANDUSKY	95	78	69
OH	WAYNE	95	69	64
OH	WAYNE	96	53	45
PA	CENTRE	95	102	94
TN	KNOX	96	44	46
WI	DANE	95	90	86
Yield in Bu/Ac.			65	59

Agronomic			Test Weight lb/bu.		Height inches		Julian Heading Date	
State	Site	Year	92M-3122	Trial Mean	92M-3122	Cardinal	92M-3122	Cardinal
IL	Brownstown	95	56.6	52.5	42	43		
IL	Jerseyville	95	57.0	53.8	42	41	141	142
IL	Urbana	95	59.0	54.9	44	43	142	144
IL	Brownstown	96	51.0	51.0	36	39		
IL	Urbana	96	57.0	52.0	36	38	149	149
IN	Ft. Branch	95					127	129
IN	W. Laf.	95	60.8	57.6	41	44	140	143
IN	Woodburn	95	63.0	59.7	43			
IN	W. Laf.	96	59.4	54.5	33	36	147	150
IN	Ft. Branch	96	58.0	57.5				
IN	Woodburn	96	56.0	53.4	38	37	150	150
KY	Lexington	95	60.5	58.1	38	39	130	133
KY	Princeton	95	55.5	54.4	34	35	123	125
MO	Columbia	95	55.6	54.1	44	47	135	136
MO	Columbia	96	49.4	50.8	27	32		
OH	W. Elk.	95			40	38	150	152
OH	Freemont	95	57.7	54.7				
OH	Wooster	95	56.3	54.5	45	43	148	150
OH	Wooster	96	58.0	54.0	40	37	153	155
OH	W. Elk	96	57.0	54.8	38	39	156	158
PA	Univ. Park	95	61.3	58.7	39	39	149	151
PA	Un. Park	96	58.3	56.2	38	38	156	157
TN	Knoxville	95	57.8	57.7			115	121
TN	Springfield	95			28	33		
TN	Knoxville	96	58.7	57.1			128	128
WI	Madison	95	59.7	58.7	42	42	155	157
			57.5	55.2	38.5	39.2	141.8	143.7

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE AND TECHNOLOGY DIVISION - PLANT VARIETY PROTECTION OFFICE

EXHIBIT E
STATEMENT OF THE BASIS OF OWNERSHIP

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

1. NAME OF APPLICANT(S) HybriTech Seed International, a unit of Monsanto Company		2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER 92M-3122	3. VARIETY NAME BRADLEY
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code, and Country) 5912 N Meridan Street Wichita, Kansas 67204-1699		5. TELEPHONE (include area code) 316-755-1249	6. FAX (include area code) 316-755-0072
		7. PVPO NUMBER 9700263	
8. Does the applicant own all rights to the variety? Mark an "X" in appropriate block. If no, please explain. *Please see following page. <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			
9. Is the applicant (individual or company) a U.S. national or U.S. based company? If no, give name of country <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO			
10. Is the applicant the original breeder? If no, please answer the following: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			
a. If original rights to variety were owned by individual(s): Is (are) the original breeder(s) a U.S. national(s)? If no, give name of country			
b. If original rights to variety were owned by a company: Is the original breeder(s) U.S. based company? If no, give name of country			
11. Additional explanation on ownership (If needed, use reverse for extra space): *Please see following page.			

PLEASE NOTE:

Plant variety protection can be afforded only to owners (not licensees) who meet one of the following criteria:

1. If the rights to the variety are owned by the original breeder, that person must be a U.S. national, national of a UPOV member country, or national of a country which affords similar protection to nationals of the U.S. for the same genus and species.
2. If the rights to the variety are owned by the company which employed the original breeder(s), the company must be U.S. based, owned by nationals of a UPOV member country, or owned by nationals of a country which affords similar protection to nationals of the U.S. for the same genus and species.
3. If the applicant is an owner who is not the original breeder, both the original breeder and the applicant must meet one of the above criteria.

The original breeder may be the individual or company who directed final breeding. See Section 41(a)(2) of the Plant Variety Protection Act for definition.

Public reporting burden for this collection of information is estimated to average 10 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Agriculture, Clearance Officer, OIRM, AG Box 7630, Jamie L. Whitten Building, Washington, D.C. 20250. When replying, refer to OMB No. 0581-0055 and form number in your letter.

Under the PRA of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

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To file a complaint, write the Secretary of Agriculture, U.S. Department of Agriculture, Washington, D.C. 20250, or call (202) 720-7327 (voice) or (202) 720-1127 (TDD). USDA is an equal employment opportunity employer.

Exhibit E.
Statement of the Basis of Applicant's Ownership

The variety for which Plant Variety Protection is hereby sought was developed by Dr. Koy Miskin, then an employee of Agripro Seeds, Inc. By agreement between employees and Agripro Seeds, Inc., all rights to any invention, discovery, or development made by the employee while employed by Agripro Seeds, Inc., were assigned to Agripro Seeds, Inc., with no rights of any kind pertaining to 'Bradley' being retained by the employees.

By contractual agreement the variety 'Bradley' is currently owned by HybriTech Seed International, a unit of Monsanto Company and licensed to Agripro Seeds, Inc. for commercial use.